

Title (en)  
Catalyst

Title (de)  
Katalysator

Title (fr)  
Catalyseur

Publication  
**EP 2746301 B1 20180530 (EN)**

Application  
**EP 12199255 A 20121221**

Priority  
EP 12199255 A 20121221

Abstract (en)  
[origin: EP2746301A1] A catalyst comprising (i) an asymmetric complex of formula (I) wherein M is zirconium or hafnium; each X is a sigma ligand; L is a divalent bridge selected from -R' 2 C-, -R' 2 C-CR' 2 -, -R' 2 Si-, -R' 2 Si-SiR' 2 -, -R' 2 Ge-, wherein each R' is independently a hydrogen atom, C1-C20-alkyl, tri(C1-C20-alkyl)silyl, C6-C20-aryl, C7-C20-arylalkyl or C7-C20-alkylaryl; R 2 and R 2' are each independently linear C 1-10 hydrocarbyl; R 5 and R 5' are each independently hydrogen or a C 1-20 hydrocarbyl group; R 6 and R 6' are each independently hydrogen or a C1-20 hydrocarbyl group; R 7 is hydrogen or a C1-20 hydrocarbyl group or is ZR 3 ; Z is O or S, preferably O; R 3 is a C1-10 hydrocarbyl group; Ar is an aryl or heteroaryl group having up to 20 carbon atoms optionally substituted by one or more groups R 8 ; Ar' is an aryl or heteroaryl group having up to 20 carbon atoms optionally substituted by one or more groups R 8' ; R 8 and R 8' are each independently is a C1-20 hydrocarbyl group; with the proviso that at least one of R 6 or R 7 is not H; and (ii) a cocatalyst comprising a compound of a group 13 metal, e.g. boron.

IPC 8 full level  
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Cited by  
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